

J. Brusca

Re-run

#29 JB



RAW SEQUENCE LISTING

DATE: 12/02/2002

PATENT APPLICATION: US/09/709,905A

TIME: 11:19:18

Input Set : N:\paola\US09709905A.raw

Output Set: N:\CRF4\12022002\I709905A.raw

1 <110> APPLICANT: Kalyanaraman Ramnarayan
 2 Edward T. Maggio
 3 P. Patrick Hess
 4 <120> TITLE OF INVENTION: Use of Computationally Derived Protein
 5 Structures of Genetic Polymorphisms in Pharmacogenomics for
 6 Drug Design and Clinical Applications
 7 <130> FILE REFERENCE: 24737-1906C
C--> 8 <140> CURRENT APPLICATION NUMBER: US/09/709,905A
 9 <141> CURRENT FILING DATE: 2000-11-10
 10 <150> PRIOR APPLICATION NUMBER: 09/438,566
 11 <151> PRIOR FILING DATE: 1999-11-10
 12 <150> PRIOR APPLICATION NUMBER: 24737-1906B
 13 <151> PRIOR FILING DATE: 2000-11-01
 14 <160> NUMBER OF SEQ ID NOS: 118
 15 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 6
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Artificial Sequence
 21 <220> FEATURE:
 22 <223> OTHER INFORMATION: Modified Hepatitis C Virus NS3 Protease Inhibitor
 23 Peptide
W--> 24 <221> NAME/KEY: ACETYLATION
 25 <222> LOCATION: 1
W--> 26 <221> MOD_RES
 27 <222> LOCATION: 2
 28 <223> OTHER INFORMATION: D-glutamic acid
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 30 <222> LOCATION: 5
 31 <223> OTHER INFORMATION: beta-cyclohexylalanine
 32 <300> PUBLICATION INFORMATION:
 33 <301> AUTHORS: Ingallinella, P., Altamura, S., Bianchi, E., Talia
 34 <302> TITLE: Potent Peptide Inhibitors Of Human Hepatitis C Vir
 35 <303> JOURNAL: Biochemistry
 36 <304> VOLUME: 37
 37 <305> ISSUE: 25
 38 <306> PAGES: 8906-8914
 39 <307> DATE: 1998-06-23
W--> 40 <400> 1
W--> 41 Asp Xaa Leu Ile Xaa Cys
 42 1 5
 44 <210> SEQ ID NO: 2
 45 <211> LENGTH: 6

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Input Set : N:\paola\US09709905A.raw

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46 <212> TYPE: PRT
47 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Modified Hepatitis C Virus NS3 Protease Inhibitor
50 Peptide
W--> 51 <221> NAME/KEY: ACETYLATION
52 <222> LOCATION: 1
W--> 53 <221> MOD_RES
54 <222> LOCATION: 5
55 <223> OTHER INFORMATION: beta-cyclohexylalanine
56 <300> PUBLICATION INFORMATION:
57 <301> AUTHORS: Ingallinella, P., Altamura, S., Bianchi, E., Talia
58 <302> TITLE: Potent Peptide Inhibitors Of Human Hepatitis C Vir
59 <303> JOURNAL: Biochemistry
60 <304> VOLUME: 37
61 <305> ISSUE: 25
62 <306> PAGES: 8906-8914
63 <307> DATE: 1998-06-23
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W--> 65 Asp Glu Leu Ile Xaa Cys
66 1 5
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69 <211> LENGTH: 1045
70 <212> TYPE: DNA
71 <213> ORGANISM: Human Immunodeficiency Virus (HIV)
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73 <221> NAME/KEY: CDS
74 <222> LOCATION: (1)...(297)
75 <223> OTHER INFORMATION: Protease
76 <221> NAME/KEY: CDS
77 <222> LOCATION: (298)...(1045)
78 <223> OTHER INFORMATION: Portion of Reverse Transcriptase
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82 1 5 10 15
83 ggc caa cta aaa gaa gct yta tta gat aca gga gca gat gat aca gta 96
W--> 84 Gly Gln Leu Lys Glu Ala Xaa Leu Asp Thr Gly Ala Asp Asp Thr Val
85 20 25 30
86 tta gaa gaa atg agt tta cca ggg aaa tgg aaa cca aaa atg ata ggg 144
87 Leu Glu Glu Met Ser Leu Pro Gly Lys Trp Lys Pro Lys Met Ile Gly
88 35 40 45
89 gga att gga ggt ttt atc aaa gta aga cag tat gat caa ata ctc ata 192
90 Gly Ile Gly Gly Phe Ile Lys Val Arg Gln Tyr Asp Gln Ile Leu Ile
91 50 55 60
92 gaa atc tgt gga cat aaa gct ata ggc aca gta tta gta gga cct aca 240
93 Glu Ile Cys Gly His Lys Ala Ile Gly Thr Val Leu Val Gly Pro Thr
94 65 70 75 80
95 cct gtc aac ata att gga aga aat ttg ttg act cag att ggt tgc act 288

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Output Set: N:\CRF4\12022002\I709905A.raw

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| 97 | | |
| 98 | 85 90 95 | |
| 99 | tta aat ttg ccc att agt cct att gaa act gta cca gta aaa tta aag | 336 |
| 100 | Leu Asn Leu Pro Ile Ser Pro Ile Glu Thr Val Pro Val Lys Leu Lys | |
| 101 | 100 105 110 | |
| 102 | cca gga atg gat ggc cca aaa gtt aaa caa tgg cca ttg aca gaa gaa | 384 |
| 103 | Pro Gly Met Asp Gly Pro Lys Val Lys Gln Trp Pro Leu Thr Glu Glu | |
| 104 | 115 120 125 | |
| 105 | aaa ata aaa gca tta gta gaa att tgt aca gaa atg gaa aag gaa gga | 432 |
| 106 | Lys Ile Lys Ala Leu Val Glu Ile Cys Thr Glu Met Glu Lys Glu Gly | |
| 107 | 130 135 140 | |
| 108 | aaa att tca aaa att ggg cct gag aat cca tac aat act cca ata ttt | 480 |
| 109 | Lys Ile Ser Lys Ile Gly Pro Glu Asn Pro Tyr Asn Thr Pro Ile Phe | |
| 110 | 145 150 155 160 | |
| 111 | gcc ata aag aaa aaa gac agt act aaa tgg aga aaa tta gta gat ttc | 528 |
| 112 | Ala Ile Lys Lys Lys Asp Ser Thr Lys Trp Arg Lys Leu Val Asp Phe | |
| 113 | 165 170 175 | |
| 114 | aga gaa ctt aat aag aga aca caa gac ttc tgg gaa gtt caa tta gga | 576 |
| 115 | Arg Glu Leu Asn Lys Arg Thr Gln Asp Phe Trp Glu Val Gln Leu Gly | |
| 116 | 180 185 190 | |
| 117 | ata cca cac ccc gca ggg tta aaa cag aaa aaa tca gta aca ata ctg | 624 |
| 118 | Ile Pro His Pro Ala Gly Leu Lys Gln Lys Lys Ser Val Thr Ile Leu | |
| 119 | 195 200 205 | |
| 120 | gat gtg ggt gat gca tat ttt tca gtt ccc tta gat gaa ggc ttc agg | 672 |
| 121 | Asp Val Gly Asp Ala Tyr Phe Ser Val Pro Leu Asp Glu Gly Phe Arg | |
| 122 | 210 215 220 | |
| 123 | aag tat act gca ttt acc ata cct agt aga aat aat gag aca cca ggg | 720 |
| 124 | Lys Tyr Thr Ala Phe Thr Ile Pro Ser Arg Asn Asn Glu Thr Pro Gly | |
| 125 | 225 230 235 240 | |
| 126 | att aga tat cag tac aac gtg ctc cca cag gga tgg aaa gga tca cca | 768 |
| 127 | Ile Arg Tyr Gln Tyr Asn Val Leu Pro Gln Gly Trp Lys Gly Ser Pro | |
| 128 | 245 250 255 | |
| 129 | gca ata ttt caa agt agc atg aca aga aty tta gag cct ttt aga aaa | 816 |
| 130 | Ala Ile Phe Gln Ser Ser Met Thr Arg Xaa Leu Glu Pro Phe Arg Lys | |
| 131 | 260 265 270 | |
| 132 | caa aat cca gaa ata gtt atc tat caa tac atg gat gat ttg tat gta | 864 |
| 133 | Gln Asn Pro Glu Ile Val Ile Tyr Gln Tyr Met Asp Asp Leu Tyr Val | |
| 134 | 275 280 285 | |
| 135 | gga tct gac tta gaa ata gga cag cat aga gca aaa ata gag gaa ctg | 912 |
| 136 | Gly Ser Asp Leu Glu Ile Gly Gln His Arg Ala Lys Ile Glu Glu Leu | |
| 137 | 290 295 300 | |
| 138 | aga gga cat cta tta aag tgg gga ttt acc aca cca gac aaa aaa cat | 960 |
| 139 | Arg Gly His Leu Leu Lys Trp Gly Phe Thr Thr Pro Asp Lys Lys His | |
| 140 | 305 310 315 320 | |
| 141 | cag aaa gaa cct cca ttt ctt tgg atg ggt tat gaa ctc cat cct gat | 1008 |
| 142 | Gln Lys Glu Pro Pro Phe Leu Trp Met Gly Tyr Glu Leu His Pro Asp | |
| 143 | 325 330 335 | |
| 144 | aaa tgg aca gta cag cct ata aag ttg cca gaa aaa g | 1045 |
| | Lys Trp Thr Val Gln Pro Ile Lys Leu Pro Glu Lys | |

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Input Set : N:\paola\US09709905A.raw

Output Set: N:\CRF4\12022002\I709905A.raw

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145                               340                               345
147 <210> SEQ ID NO: 4
148 <211> LENGTH: 1046
149 <212> TYPE: DNA
150 <213> ORGANISM: Human Immunodeficiency Virus (HIV)
151 <220> FEATURE:
152 <221> NAME/KEY: CDS
153 <222> LOCATION: (1)...(297)
154 <223> OTHER INFORMATION: HIV Protease
155 <221> NAME/KEY: CDS
156 <222> LOCATION: (298)...(1046)
157 <223> OTHER INFORMATION: Portion of HIV Reverse Transcriptase
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160      Pro Gln Ile Thr Leu Trp Gln Arg Pro Leu Val Thr Ile Lys Ile Gly
161      1                               5                               10                               15
162      ggg cag cta aag gaa gct cta tta gat aca gga gca gat gat aca gta      96
163      Gly Gln Leu Lys Glu Ala Leu Leu Asp Thr Gly Ala Asp Asp Thr Val
164      20                               25                               30
165      gtt gaa gaa atg aat ttg cca gga aaa tgg aaa cca aaa atg ata ggg      144
166      Val Glu Glu Met Asn Leu Pro Gly Lys Trp Lys Pro Lys Met Ile Gly
167      35                               40                               45
168      gga att gga ggt ttt atc aaa gta aga cag tat gag caa ata gcc gta      192
169      Gly Ile Gly Gly Phe Ile Lys Val Arg Gln Tyr Glu Gln Ile Ala Val
170      50                               55                               60
171      gaa aty tgt gga cat aga gct atg ggt aca gta tta gta gga cct aca      240
W--> 172      Glu Xaa Cys Gly His Arg Ala Met Gly Thr Val Leu Val Gly Pro Thr
173      65                               70                               75                               80
174      cct gtc aac ata att gga aga aat ctg ttg act cag att ggt tgc act      288
175      Pro Val Asn Ile Ile Gly Arg Asn Leu Leu Thr Gln Ile Gly Cys Thr
176      85                               90                               95
177      tta aat ttt ccc att agt cct att gaa act gta cca gta aaa tta aag      336
178      Leu Asn Phe Pro Ile Ser Pro Ile Glu Thr Val Pro Val Lys Leu Lys
179      100                              105                              110
180      cca gga atg gat ggc cca aaa gtt aaa caa tgg cca ttg aca gaa gaa      384
181      Pro Gly Met Asp Gly Pro Lys Val Lys Gln Trp Pro Leu Thr Glu Glu
182      115                              120                              125
183      aaa ata aaa gca tta gta gaa atc tgt aca gaa ttg gaa aag gaa ggg      432
184      Lys Ile Lys Ala Leu Val Glu Ile Cys Thr Glu Leu Glu Lys Glu Gly
185      130                              135                              140
186      aaa att tca aaa att ggg cct gaa aat cca tac aat act cca gta ttt      480
187      Lys Ile Ser Lys Ile Gly Pro Glu Asn Pro Tyr Asn Thr Pro Val Phe
188      145                              150                              155                              160
189      gcc ata aag aaa aag aac agt act aaa tgg aga aaa tta gta gat ttc      528
190      Ala Ile Lys Lys Lys Asn Ser Thr Lys Trp Arg Lys Leu Val Asp Phe
191      165                              170                              175
192      aga gaa ctt aat aag aga act caa gac ttc tgg gag gtt caa tta gga      576
193      Arg Glu Leu Asn Lys Arg Thr Gln Asp Phe Trp Glu Val Gln Leu Gly
194      180                              185                              190

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Input Set : N:\paola\US09709905A.raw

Output Set: N:\CRF4\12022002\I709905A.raw

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195   ata cca cat cca gca ggg tta aaa aag aat aaa tca ata aca gta ctg      624
196   Ile Pro His Pro Ala Gly Leu Lys Lys Asn Lys Ser Ile Thr Val Leu
197           195                        200                        205
198   gat gtg ggt gat gca tat ttt tca gtt ccc tta tgt gaa gac ttc agg      672
199   Asp Val Gly Asp Ala Tyr Phe Ser Val Pro Leu Cys Glu Asp Phe Arg
200           210                        215                        220
201   aag tat act gca ttt acc ata cct agt gta aac aat gag act cca ggg      720
202   Lys Tyr Thr Ala Phe Thr Ile Pro Ser Val Asn Asn Glu Thr Pro Gly
203           225                        230                        235                        240
204   att aga tat cag tac aat gtg ctt cca cag gga tgg aaa gga ttc acc      768
205   Ile Arg Tyr Gln Tyr Asn Val Leu Pro Gln Gly Trp Lys Gly Phe Thr
206           245                        250                        255
207   agc ata ttc caa tgt agc atg aca aaa atc tta gag cct ttt aga aaa      816
208   Ser Ile Phe Gln Cys Ser Met Thr Lys Ile Leu Glu Pro Phe Arg Lys
209           260                        265                        270
210   caa aat cca gag ata gtt atc tat caa tac atg gat gat ttg tat gta      864
211   Gln Asn Pro Glu Ile Val Ile Tyr Gln Tyr Met Asp Asp Leu Tyr Val
212           275                        280                        285
213   gga tct gac tta gaa ata ggg cag cat aga gca aaa ata gag gaa ctg      912
214   Gly Ser Asp Leu Glu Ile Gly Gln His Arg Ala Lys Ile Glu Glu Leu
215           290                        295                        300
216   aga caa tat ctg tgg aag tgg gga ttt tgc aca cca gaa caa aar cat      960
217   Arg Gln Tyr Leu Trp Lys Trp Gly Phe Cys Thr Pro Glu Gln Lys His
218           305                        310                        315                        320
219   cag aaa gaa cct cct ttc ctt tgg atg ggt tat gaa ctc cat ccc gat      1008
220   Gln Lys Glu Pro Pro Phe Leu Trp Met Gly Tyr Glu Leu His Pro Asp
221           325                        330                        335
222   aaa tgg aca gta caa cct ata gtg ctg cca gac aaa ga      1046
223   Lys Trp Thr Val Gln Pro Ile Val Leu Pro Asp Lys
224           340                        345
226 <210> SEQ ID NO: 5
227 <211> LENGTH: 1104
228 <212> TYPE: DNA
229 <213> ORGANISM: Human Immunodeficiency Virus (HIV)
230 <220> FEATURE:
231 <221> NAME/KEY: CDS
232 <222> LOCATION: (1)...(297)
233 <223> OTHER INFORMATION: HIV Protease
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235 <222> LOCATION: (298)...(1104)
236 <223> OTHER INFORMATION: Portion of HIV Reverse Transcriptase
W--> 237 <400> 5
238   cct cag atc act ctt tgg caa cga ccc atc gtc aca ata aag rta ggg      48
W--> 239   Pro Gln Ile Thr Leu Trp Gln Arg Pro Ile Val Thr Ile Lys Xaa Gly
240           1                        5                        10                        15
241   ggg caa cta agg gaa gct cta tta gat aca gga gca gat gat aca ata      96
242   Gly Gln Leu Arg Glu Ala Leu Leu Asp Thr Gly Ala Asp Asp Thr Ile
243           20                        25                        30
244   ata gaa gac ata act ttg cca gga aga tgg aca cca aaa atg ata ggg      144

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/709,905ADATE: 12/02/2002
TIME: 11:19:19Input Set : N:\paola\US09709905A.raw
Output Set: N:\CRF4\12022002\I709905A.raw**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,5
Seq#:2; Xaa Pos. 5
Seq#:3; Xaa Pos. 10,23,266
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Seq#:19; Xaa Pos. 10,23,38,173
Seq#:21; Xaa Pos. 9,12
Seq#:22; Xaa Pos. 41,340
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Seq#:35; N Pos. 1112
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RAW SEQUENCE LISTING ERROR SUMMARY

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Input Set : N:\paola\US09709905A.raw

Output Set: N:\CRF4\12022002\I709905A.raw

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: **US/09/709,905A**DATE: 12/02/2002
TIME: 11:19:19Input Set : N:\paola\US09709905A.raw
Output Set: N:\CRF4\12022002\I709905A.raw

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Seq#:83; Xaa Pos. 344
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Seq#:90; Xaa Pos. 10,23,140,273,288,363
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Seq#:93; Xaa Pos. 119,143,200,208,266,278,320
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Seq#:100; N Pos. 113,1112
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Seq#:103; Xaa Pos. 14,15,134,144,306,340,344
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Seq#:105; Xaa Pos. 36,283
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Seq#:108; Xaa Pos. 57,58,68,72,78,88,280,304,333,363,367
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Seq#:109; N Pos. 682,683,684,685,686,687,688,689,690,691,692,693,694,695
Seq#:109; N Pos. 696,697,698,699,700,701,702,703,704,705,706,707,708,709
Seq#:109; N Pos. 710,711,712,713,714,715,716,717,718,719,720,721,722,723
Seq#:109; N Pos. 724,725,726,727,728,729,730,731,732,733,734,735,736,737
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Seq#:110; Xaa Pos. 1,10,36,40,45,230,274,278,295,349
Seq#:111; Xaa Pos. 57,60,66,68,277,309
Seq#:112; Xaa Pos. 46,140,171,238,313,314,323,334,363
Seq#:113; Xaa Pos. 126,143,144,145,149,152,153,261
Seq#:114; N Pos. 35,39,40,171
Seq#:114; Xaa Pos. 1,3,4,8,12,13,14,15,31,37,57,78,230,276,281,283,350,352
Seq#:114; Xaa Pos. 353
Seq#:115; Xaa Pos. 62,74,75,78
Seq#:116; Xaa Pos. 78
Seq#:117; Xaa Pos. 371

VERIFICATION SUMMARY

DATE: 12/02/2002

PATENT APPLICATION: US/09/709,905A

TIME: 11:19:19

Input Set : N:\paola\US09709905A.raw

Output Set: N:\CRF4\12022002\I709905A.raw

L:8 M:270 C: Current Application Number differs, Wrong Format
L:24 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:26 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:29 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:40 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:51 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:53 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:64 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:79 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:48
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:96
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:816
L:158 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:240
L:237 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:48
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:240
L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:432
L:319 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:404 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:96
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:144
L:418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:240
L:489 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
L:491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:48
L:494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:96
L:574 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:48
L:591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:288
L:630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:912
L:636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:1008
L:659 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:664 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:96
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:144
L:706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:768
L:712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:864
L:744 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:48
L:749 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:96
L:764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:336
L:800 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:912
L:829 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
L:885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:912
L:914 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
L:916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:48
L:919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:96

VERIFICATION SUMMARY

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Input Set : N:\paola\US09709905A.raw

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L:952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:624
L:967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:864
L:999 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:1049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:816
L:1055 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:912
L:1058 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:960
L:1084 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:1092 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:144
L:1095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:192
L:1134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:816
L:1146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1008
L:1152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1104
L:1169 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:1195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:432
L:1225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:912
L:1254 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:1256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:48
L:1265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:192
L:1298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:720
L:1301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:768
L:1313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:960
L:1316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:1008
L:1324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:1104
L:1339 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
L:1350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:192
L:1377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:624
L:1424 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
L:1509 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:1594 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
L:1679 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22
L:1764 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
L:1849 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
L:1934 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25
L:2019 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
L:2102 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:27, CDS LOCATION:
(298)...(1116)
L:2104 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:27
L:2189 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
L:2274 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:29
L:2359 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30
L:2444 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:31
L:2529 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:32
L:2614 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:33
L:2699 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34
L:2784 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:35
L:2868 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:36
L:2953 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:37
L:3038 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38
L:3123 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39
L:3208 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40

VERIFICATION SUMMARYPATENT APPLICATION: **US/09/709,905A**

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Input Set : N:\paola\US09709905A.raw

Output Set: N:\CRF4\12022002\I709905A.raw

L:3293 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41
L:3374 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42
L:3453 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:43
L:3535 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:44
L:3620 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:45
L:3705 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:46
L:3790 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:47